

Patent Abstracts of Japan

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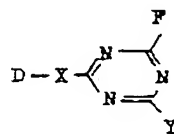
APPLICATION DATE : 05-07-85
APPLICATION NUMBER : 60148083

APPLICANT : MITSUBISHI CHEM IND LTD;

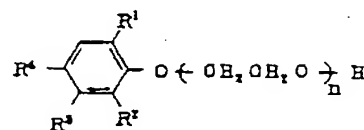
INVENTOR : YAMAGUCHI KAZUYA;

INT.CL. : C09D 11/00 // C09B 67/40

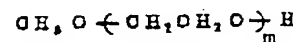
TITLE : INK FOR INK JET TEXTILE PRINTING



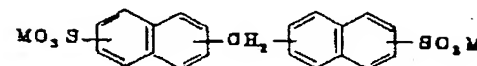
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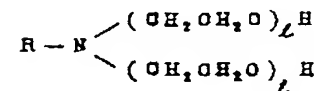
II



III



IV



V

ABSTRACT : PURPOSE: To obtain the title ink capable of conducting a simultaneous ink jet textile printing of blended fabrics comprising a polyester fiber and a cellulose fiber, by incorporating a reactive disperse dye, particular nonionic surfactant, an anionic surfactant and an org. tert. amine.

CONSTITUTION: The title ink contains 1~30wt.% reactive disperse dye which is insoluble or hardly soluble in water of the formula I (wherein D is a water- insoluble coloring matter residue; X is O or -NH-; Y is OR³ or NR⁴R⁵; R³~R⁵ are each independently H, a substituted unsubstituted alkyl, aryl or aralkyl group; and NR⁴R⁵ may be a five- or six-membered nitrogenous heterocyclic ring formed by linkage of R⁴ to R⁵), 0.2~75.2wt.% mixture of a nonionic surfactant with anionic surfactant and 0.5~15wt.% org. tert. amine. Examples of the nonionic surfactant include compds. of the formula II and III, examples of the anionic surfactant include compds. of the formula IV, and examples of the org. tert. amine include compds. of the formula V.

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